SAMRUDH KISHSAN P M

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OBJECTIVE

As a fresh graduate, I am looking for an opportunity that will enable me to creatively showcase my talents all the while adapting to challenge new skills and processes to build my ideal career.

EDUCATION

B.Tech, Electronics and Communications Engineering December 2020 - May 2024
APJ Abdul Kalam Technological University 7.58 CGPA
Government College of Engineering, Kannur
Relevant coursework: Embedded Systems, Wireless Communication and Internet of Things Architecture.

TECHNICAL SKILLS

Programming: Python(Proficient), C, C++
Web Development: HTML, CSS, JavaScript
Frontend: Bootstrap, React
Database: MySQL
Tools: VS code, Git, Figma

EXPERIENCE

Accelmove Dynamics, Technopark, SBC 8, Thejaswini Building: Intern Feb 2024

- Actively contributed to various projects and initiatives, showcasing a high level of professionalism and adaptability.
- Gained hands-on experience in programming and teamwork within a professional environment.

PROJECTS

Water Quality Monitoring System using IoT December 2022 – May 2023

Collaborated in a team of four to design and demonstration of a working model.

- An IoT-based system for real-time water quality monitoring using LoRaWAN technology.
- Integrated sensors to measure parameters like pH, turbidity, and dissolved oxygen, transmitting data over long distances.
- Developed a centralized dashboard for data visualization and analysis, enabling early detection of water quality issues.
- Achieved low power consumption and long-range communication, optimizing the system for remote locations.

Pollution Monitoring System for Enhancing Sustainability of Environment using IoT June 2023 - May 2024

Collaborated in a team of four to design and implement an IoT-based pollution monitoring system.

- An IoT-based system for real-time monitoring of air quality, sound pollution, carbon monoxide levels, and particulate matter concentrations.
- Developed the Airify Android app for live visualization, data analysis, and remote system control, integrated with ESP32-CAM for real-time video streaming.
- Ensured sustainability by powering the system with a 15W solar panel and incorporating automated safety measures like a suction pump for high CO levels.
- Leveraged Firebase for cloud-based data storage and real-time updates, enabling efficient environmental data management and analysis.

Personal Web Portfolio June 2024 - Present

- A responsive web portfolio to showcase personal projects, technical skills.
- Integrated dynamic elements such as animations, interactive components, and a contact form to enhance user engagement.
- Deployed the portfolio on GitHub Pages for public access: `https://k-ish-san.github.io/`